

MISHEN'KIN, N.V., aspirant

Results of free and fixed tympanoplasty after the type III of
Wullstein with a columella effect. Vest.otorin. no.4:50-53 '62.
(MIRA 16:3)

1. Iz kliniki ukha, gorla i nosa (zav. - prof. A.O. Shul'ga)
Orenburgskogo meditsinskogo instituta.
(TYMPANAL ORGAN—SURGERY) (SKIN—GRAFTING)

MISHEN'KIN, N.V.

Mucocele of the frontal sinuses complicated by a wasting away of
the cerebral walls. Zhur.ush., nos.i gorl.bol. 22 no.2:74-75
(MIRA 15:11)
Mr-Ap '62.

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. A.O.
Shul'ga) Orenburgskogo meditsinskogo instituta.
(FRONTAL SINUS--DISEASES) (MUCUS)

MISHEN'KIN, N.V.

Functionally reconstructive form of surgery which has a
transformative mechanism in chronic epitympanitis. Zhur.ust.
nos. i gori. bol. 23 no.2 24-27 Mr-Apr'63. (MLA 1963)

1. Iz kliniki bolezney ucha, gola i nosa (zav. - prof. A.S.
Shul'ga) Orenburgskogo meditsinskogo instituta.
(TYMPANAL ORGAN-SURGERY)

MISHEN'KIN, N.V., aspirant

Significance of hearing tests with an acoustic probe in the
choice of surgical methods to restore hearing. Vest. oto-
rin. 25 no.4:63-68 Jl-Ag '63. (MIRA 17:1)

1. Iz kliniki ukha, nosa i gorla (zav. - prof. A.O. Shul'ga)
Orenburgskogo meditsinskogo instituta.

MISHEN'KIN, N.V.

Use of therapeutic massage following tympanoplasty. D. V. Mishen'kin, M.D.
i gorl. bol. 24 no.5:1-14 S-0 '64.

1. Iz kliniki bolezney ukhov, gorla i nosa (zav. - prof. V. V. Ovchinnikov)
Orenburgskogo meditsinskogo instituta.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

L 33232-66 E.M.(1) SW
ACC NR. 818024603

¹ See also the discussion in the introduction to the present volume.

Krylov, S. V.; Krylova, A. L.; Melchon'kina, Z. P.; Pyatov, I. -
Institute of Zoology and Cophylogeny, Siberian Department, AN SSSR; Institute
of zoologii i zoofiziki Sibirskogo otdeleniya AN SSSR; "Sintez" izdatel'stvo,
Moscow ("Izdat. zoofizika" kontora)

Fig. 1. Results of point and continuous observations in loop seismic sampling.

ANSWER: *polityka i gospodarka, no. 3, 1975, 101-11*

Rock mechanics, metamorphism, earth crust, tectonics, Igneous activity, Volcanism, seismology.

ABSTRACT: For the purpose of additional evaluation of the possibilities of the method of point seismic observations, now used widely for regional study of the earth's crust in the West Siberian Lowland, the authors have compared the results of interpretation of data from deep seismic sounding by the point and continuous systems of observations along a profile from Ashkhabad to the Aral Sea. The system of point observations was formed using about 10% of the total number of seismograms obtained during continuous profiling. Comparison of the results of construction of three discontinuities (surface of the consolidated crust, Mohorovicic discontinuity and the earth's upper mantle),

Card 1/2

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R001134620013-0"

L 33232-66

• ACC NR: A16024603

• which correspond to clear reference waves, gives a correct idea concerning the major features of structure of the deep layers on a regional basis. Fig. 1 is a seismic cross section showing structure of the crust along this profile. The authors thank S. V. Gol'din for valuable advice in estimation of analysis of the results. Orig. art. has: 2 figures, 5 formulas and 1 table. [Jing]

SER CODE: 08 / SUBM DATE: 10 May 65 / ORIG REF: 012

Card 2/2 *pla*

L 04488-67 EWT(1) GW
ACC NR: AP6021869 (A)

SOURCE CODE: UR/0210/66/000/001/0010/0020

AUTHOR: Krylov, S. V.; Krylova, A. L.; Mishen'kin, B. P.; Mishen'kina, Z. R.;
Samoylovich, A. S. C
ORG: Institute of Geology and Geophysics, Siberian Section, AN SSSR (Institut geologii
i geofiziki Sibirskogo otdeleniya AN SSSR); Novosibirsk Geophysical Trust (Novosibir-
skiy geofizicheskiy trest)

TITLE: Structure of the earth's crust in the center and in the southeast of the West
Siberian lowland according to data from isolated seismic soundings

SOURCE: Geologiya i geofizika, no. 1, 1966, 10-20

TOPIC TAGS: geology, tectonics, gas fuel, crude petroleum, seismicology, earth crust

ABSTRACT: Features of the methodology used for regional seismic investigations of the
earth's crust in the West Siberian lowland along the Ob' and Ket' rivers are reported.
The composite section of the earth's crust along a line from Khanty-Mansiysk to Ust-
Ozernoje is cited. Conclusions, the results of an analysis of the seismic section and
of the natural geophysical fields, are drawn concerning the basic outlines of the
structure of the core of the territory investigated. The dependency of the character-
istics of lithology, tectonics, and regional oil and gas bearing properties of the
platform mantle on the plutonic structure is stressed. Orig. art. has: 1 map and 1
diagram showing the seismic section of the earth's crust.

SUB CODE: 08 / SUBM DATE: 07 Aug 65 / ORIG REF: 020

Card 1/1

UDC: 551.14 : 550.834 (571.1)

ACCESSION NR: AT4042681

S.0000/63/000/000/0185/0168

AUTHOR: Zhukov-Verezhnikov, N. N., Maysky, I. N., Yazdovskiy, V. I.,
Pekhov, A. P., Ryvickov, N. I., Tributiev, G. P., Saksenov, P. P., Dobrov,
N. N., Antipov, V. V., Kozlov, V. A., Vyubotskiy, V. G., Misnenko, B. A.,
Rybalkova, D. K., Parfenov, G. P., Pantyukhova, V. V., Yudin, Ye. V.;
Aniskin, Ye. D.

TITLE: The evaluation of the biological effectiveness of space-flight factors
with the aid of lysogenic bacteria

SOURCE: Konferentsiya po aviationskoy i kosmicheskoy meditsine, 1963.
Aviationskaya i kosmicheskaya meditsina (Aviation and space medicine),
materialy konferentsii. Moscow, 1963, 185-188

TOPIC TAGS: lysogenic bacteria, biological sensor, radiation detector,
bacteriophage, phage, vibration, irradiation/Vostok III, Vostok IV

ABSTRACT: Lysogenic bacteria, *E. coli* K-12 (λ), was carried on spaceships

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ACCESSION NR: AT4042681

Vostok III and Vostok IV as a biological sensor. The advantages of lysogenic bacteria as biological sensors stem not only from their extreme sensitivity to various types of radiation, but also from the fact that induced changes are directly proportional to the dose of irradiation. In addition, *E. coli* was subjected to the combined effects of radiation and vibration in ground experiments. Vibration was produced by means of a vibrator with frequencies of 35, 70, and 700 cps, an amplitude ranging from 0.4 to 0.005 mm with a load equal to 10 g. for periods of 15, 30, and 60 min. Co^{60} in doses of 100 r at a rate of 21 r per min served as a source of radiation. Lysogenic bacteria carried on space-ships Vostok III and Vostok IV revealed induction of genetic changes produced by space-flight factors which was indicated by a significant increase in the number of phage particles. The induced effect was more pronounced on Vostok III than on Vostok IV. Forty-eight hours after its return to earth, the bacteria carried by Vostok III had produced 4.6 times as many phage particles as controls which had remained on earth. Ground experiments with vibration indicate that the combined vibration and gamma irradiation, followed by a second exposure to vibration, double the biological effectiveness of gamma rays.

Cont 2/3

ACCESSION NR: AT4042661

Now very, when the bacteria is subjected to only a single dose of vibration following irradiation, there is no increase in the number of phage particles as compared to samples which were exposed to irradiation alone. This fact indicates that under space flight conditions vibration sensitizes the lysogenic bacteria to the effect of ionizing radiation. This as yet hypothetical explanation should be substantiated by additional experiments.

ASSOCIATION: none

SUBMITTED: 27Sep63

ENCL: 00

SUB CODE: LS

NO REF SOV: 000

OTHER: 000

Card 3/3

L 32900-65 EWT(d)/TDB(jj)/EXT/EMP(1)/EED-2 Po-4/Fq-4/Pg-4/Fx-4 IJP(c) BB/GO/
ACCESSION NR: AT6004144 S/0000/84/000/000/0088/0106 OS

AUTHOR: Vleduts, G. E., Mishenko, G. L.

TITLE: An algorithm for the classification of organic chemical reactions

SOURCE: AN SSSR, Institut nauchnoy informatsii. Informatsionnyye sistemy (Information systems). Moscow, 1964, 88-108

TOPIC TAGS: information retrieval, chemical reaction, organic compound, chemical coding, programmed retrieval, classification algorithm, skeletal diagram

ABSTRACT: The authors note that for the classification of organic reactions and the solution of a number of problems in the area of information retrieval and information logic a method must be available for recording the characteristic reactions of the greatest importance from the chemical point of view. These are to be found in the "skeletal diagrams" of the reactions, which represent a compressed record of the changes that occur during the reaction, and are primarily a record of the atoms between which valence bonds are disrupted or formed. Records of the equations describing chemical reactions as ordered pairs (generally unbound) of chemical graphs are considered, and the point is made that from this viewpoint the skeletal diagram of the reaction is also an ordered pair in the general case of unbound graphs: the first member of this pair corresponds to the group of topo

Card 1/3

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B + 1

L 32900-65
ACCESSION NR: AT5004144

(atoms) between which the valence bonds disappear (are "disrupted"), while the second member corresponds to the group of tops between which new bonds develop. The need for machines in the process of discriminating or "separating out" the required skeletal diagram of the reaction is emphasized. In this article, the authors consider a variant of an algorithm for pulling out the skeletal diagram directly from the record of the reaction, while at the same time refining the definition of the very concept of the "skeletal diagram" of a chemical reaction. Since such skeletal diagrams represent the natural base of organic reactions, the algorithm for the derivation of the skeletal diagram serves at the same time as the basis for the reaction classification algorithm. The role of the "maximum common subgraph" and its relation to the skeletal diagram is studied at length, and specific reactions are analyzed. A distinction is drawn between the "skeletal diagram" on the one hand and the "true skeletal diagram" on the other. There is a detailed discussion of the various "orders" (levels) of the skeletal diagram of a reaction. These "orders" or "levels" are shown to correspond to different degrees of specificity or "attention to detail" in the classification of organic reactions. The authors emphasize that the question of skeletal diagram "orders" is an independent problem, requiring special treatment when devising an information language for the recording and retrieval of organic reactions. In the present paper, only the fundamental orders of skeletal diagrams are discussed. Orig. art. has: 9 tables and 20 chemical formulas.

Card 2/3

I 32900-65

ACCESSION NR: AT6004144

ASSOCIATION: none

SUBMITTED: 08Oct84

ENCL: 00

SUB CODE: DP, OC

NO REF SOV: 006

OTHER: 002

Card 8/3

MISHENKO, I., prepodavatel'.; SHKODA, O., prepodavatel'.

Errors of angle readings at the "Neptune" radiolocation station.
Mor. flot 16 no. 7:28-29 Jl '56. (MLRA 9:11)

1. Leningradskoye morekhodnoye uchilishche.
(Radio in navigation)

ZOZULYA, T.A.; MISHEMKO, L.P.; SHESTOPALOV, E.S.; DANILEVSKIY, V.V.,
redaktor; KUGAN, F.L., tekhnicheskij redaktor

[Repair of the MAZ-205 automobile] Remont avtomobilja MAZ-205.
Moskva, Nauchno-tekhn. izd-vo avtotransp. lit-ry, 1955. 195 p.
(Automobiles--Repairing) (MLPA R:6)

AUTHORS

TITLE

THORS
TITLE
PERIODICAL: Mishenko, L.P., and Roslyker, Ye.G.
TEXT Gearing transmission developed by M.L. Novikov
automobiles compared to the evolvent gearing provided by M.L. Novikov may be used on
being manufactured to the same material as evolvent surfaces; smaller overall size, and lower manufacturing
cost (without cementation). The gear crown was kept at $A = 190.5 \pm 0.05$ mm; diameters of dividing
circumferences of the centers were $d_1 = 87.41$ mm and $d_2 = 293.56$ mm respectively; number of pinion teeth $z_1 = 14$; number of gear teeth $z_2 = 47$; width of
gear crown $b = 75$; module in normal section $m_n = 6$. The gearing parameters were as follows: pitch in face section $t_u = 19.62$ mm; pitch in normal section $t_n = 19.62$ mm; Card 1/4

PROVED FOR RELEASE

S/113/60/000/004/004/007

Experiments with gearing developed by... D249/D301

in normal section $t_n = 18.85$ mm, module in face section $m_g = 6.245$ mm
module in normal section $m_n = 6$ mm. distance between the pole and the
gearing point in face section $l_g = 1.35$ m 8.43 mm, distance in normal
section $l_n = R_1 = 8.79$ mm, pressure angle in face section $a_{gs} = 25^\circ$;
pressure angle in normal section $a_{gn} = 23^\circ 55'$, maximum pressure angle
in normal section $= 5^\circ$; tooth thickness of driving pinion on dividing
circumference in normal section $S_1 = 58 t_n = 10.93$ mm; tooth thickness
of driven gear on dividing circumference in normal section $S_2 = 7.72$ mm.
gearing clearance of normal section $= 0.2$ mm; concave tooth curve
radius in normal section $R_2 = 1.05 R_1 = 9.22$ mm, angle limiting the
length of working surface curve $a_p = a_{gn} + (a_{gn} - a_o) = 42^\circ 50'$, pitch
angle of the screw line on the generatrix cylinder $= 73^\circ 45'$. The pinions
were made of 40X tempered steel; their hardness on the surface was RC
45-50. The gears were made of steel 45, with hardness RC 35-40

Card 2/4

Experiments with gearing...

S/113/60/000/004/004/007
D249/D301

tempered and annealed. The stepped loading is shown in Fig. 4. inspections of experimentally mounted gears were carried out after 1300, 16,000 and 32,000 km run on a ZIL-150 automobile. These road tests disclosed the good condition of the gearing: no traces were found of chipping or crumpling of gear teeth. Comparative tests of Novikov's gearing were also carried out on the stand where evolvent gearing was simultaneously tested; the test was divided into four stages. This test made apparent the advantage of Novikov's gearing over evolvent gears. However, the authors of this article feel that these tests are insufficient for a final judgment on the carrying capacity of cylindrical gearing. There are 5 figures.

ASSOCIATION: Rostovskiy zavod po remontu dorozhnoy tekhniki (Rostov Plant for Repair of Highway Equipment); Rostovskiy institut inzhenerov zheleznodorozhного transporta (Rostov Institute of Railroad Transportation Engineers)

Card 3/4

VASIL'YEV, S.F.; MOSIN, A.M.; LAPIDES, N.A.; Prinimali uchastiye: MISHENKO,
M.L.; OSTROVSKAYA, L.V.; FOMICHEV, V.F.; GUBBOTINA, G.V.; SHVEDOVA,
L.M.

Oxidative pyrolysis of lower hydrocarbons. Khim.prom. no.4:238-243
Ap '61. (MIRA 14:4)

1. Institut goryuchikh iskopayemykh AN SSSR.
(Hydrocarbons) (Oxidation)

S 262 62 000 009 012 012
1007 1207

AUTHOR Mishenko, P. P.

TITLE Comparative study of various turbocharging systems for diesel locomotives

PERIODICAL Referativny zhurnal, otdel'nyy vypusk 42. Silovye ustroystva, no. 9, 1962. 84 abstract 42 9 300. In collection "Gazoturbinnye nadduv dvigatelyev nafto-sgoraniya." M.: Mashgiz, 1961. 110-111.

TEXT Results are reported on theoretical and experimental studies of working processes at constant and variable pressure of exhaust gases in the exhaust manifold of the diesel unit 16 4H 24 27 (000) (16 ChN 24 27 (000)). The computational method suggested showed good agreement with theoretically predicted and experimental data and may be used for determining the performance of other engines. There are 8 figures and 6 references.

[Abstracter's note. Complete translation.]

Card 1 of 1

10 6300

AUTHORS:

Bolotin, V. V., Doctor of Technical Sciences, Professor
Makarov, B. P., Kishenkov, G. V. and Savenkov, I. A.
Engineers

33397

S 572 60/000 005 010 018
D224/D304

TITLE:

An asymptotic method of investigating the vibration of
natural frequencies of elastic plates

SOURCE:

Raschety na prochnost'; teoreticheskiye i eksperimental'nye
tai nyye issledovaniya prochnosti mashinostroitel'nih
konstruktsiy. Sbornik statey. No. 1. M.: Naukova Dumka
231-255

TEXT: The authors consider the natural vibrations of a rectangular
plate with the sides a, b; of constant thickness. The general so-
lution of wave equation near the edge $x = 0$ is found for in the
form

$$u(x, y) = x(x \sin \frac{\pi y}{b} - f_0)$$

Card 1/4

43397

S 52/00 000000 000
5.24 5.04

An asymptotic method ...

It is deduced that

$$\frac{u_x}{\lambda_x} = \sqrt{1 + c^2 \beta_x^2}$$

$$u_x = C_1 \sin \frac{\pi x}{\lambda_x} + C_2 \cos \frac{\pi x}{\lambda_x} + C_3 e$$

$\lambda_x < \lambda_x \lambda_y$. The first two terms correspond to the asymptotic representation for the internal wave; the third describes the influence of edge effect. Estimation shows that the width of the zone of influence does not exceed 1/2 of the wavelength. For a finite number of edges trivially fixed.

$$C_3 \frac{u_x}{\lambda_x} = \frac{1}{\sqrt{1 + c^2 \beta_x^2}} \quad \text{and} \quad \frac{u_x}{\lambda_y} = \frac{1}{\sqrt{1 + c^2 \beta_y^2}}$$

Card 4

33197

331200/000 Rev 010 010
Dec 4 1964

An asymptotic method is obtained ($\beta_y = 1/\beta_x^2$), which is reduced to a single transcendental equation for β_x , and β_x is computed by successive approximation, the initial value being the asymptotic one $\beta_x = \pi n/bm$; the final quantity is the factor $\alpha = (a/\lambda_x)^2 + a\Lambda_y^2$. The authors give a table showing successive stages of computation of α for ten lowest frequencies of a square plate, and compare all values with Istrut's results obtained from a series solution satisfying all boundary conditions (six terms of the series taken). The largest difference between the results is 3.4% for $m = n = 1$. A table of values of α for 10 lowest frequencies of plates with $a/b = 0.1$ and $a/t = 0.1$ is also given. The equation for β_x of a plate elastically fixed along all edges is deduced. In this case both β_x and Λ_x must be found by successive approximation; a graph of values of α is given as a function of $K = 2\pi D/a^2$ (D being the cylindrical rigidity) of the plate, the rigidity factor for the edge (for 10 types of vibration) is given. The case of an axially compressed plate is treated.

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An asymptotic method ...

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Soviet Bloc Journals
5.14.5'04

in the same way. Four cases are considered next, in which one or two sides are hinged and other sides rigidly fixed. Values are computed for these cases for a square plate are tabulated and compared with those obtained by Ritz's method. The authors remark that some formulae for principal frequencies by Ritz's method, given in other publications, also in two reference manuals, contain errors. Evaluation for β_x of an orthotropic plate is also derived and a table of α for a square plate is given. There are 4 figures, 1 table and 14 references: 11 Soviet-bloc and 3 non-Soviet-bloc. The reference to the English-language publication reads as follows: K. Friele-Richs, Asymptotic phenomena in mathematical physics. Bull. Amer. Math. Soc., 61, no. 5, 1955.

Card 4 4

10.6300

27068
5/17/61/ 06/004/012/010
1/E555AUTHOR: Nikulin, G.V. (Moscow)

TITLE: Forced nonlinear vibration of elastic panels

PUBLICAL: Akademiya nauk SSSR. Izdatelstvo Otdeleniya tehnicheskikh nauch. obozreniya po stroitelstvu, no. 4, 1961, pp. 17 - 103

TEXT: The forced vibrations are considered of a cylindrical panel (Fig. 1), supported at the edges, subjected to uniformly distributed longitudinal forces p_0 at the ends and to a uniformly distributed normal load $q_0(t)$. It is assumed that the Kirchhoff-Love hypothesis applies and that the deflection of the plate is comparable with the thickness but small compared with the other dimensions of the plate. The nonlinear differential equation in the stress function and the deflection is stated and is solved subject to the boundary conditions by the Galerkin method. The periodic solutions corresponding to a harmonic form for $q(t)$ are obtained and their stability is investigated. If the longitudinal forces exceed the lowest critical p_0

S/179/61/100/CCN/012/019

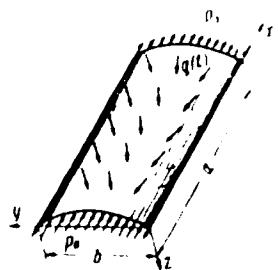
Forced nonlinear vibrations E031/E355

critical stress, the system has two stable equilibrium positions and the amplitude-frequency characteristics of the system under these and other conditions are established. It is pointed out that the vibration behavior of the system may depend on its previous history.

There are 6 figures and 6 Soviet-block references.

SUBMITTED: May 5, 1961

Fig. 1:



Card 2/2

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

MISHENKOV, G.V. (Moskva)

Dynamic stability of shallow elastic shells. Izdatelstvo
Naukova Dumka, Kiev, 1978.

(Elastic plates and shells)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

L 1325-65 ENT(d)/ENT(m)/ENT(w)/ENA(d)/EWP(r)/EWP(k)/ENA(h) Pf-4/Peb AEDC(a)/
ASD(f)-2/AFTG(p) EM
ACCESSION NR: AF4049582 S/0258/64/004/004/0759/0764

AUTHOR: Mishenkov, G. V. (Moscow)

B

TITLE: Forced vibrations of a mechanical system in the presence of
"dry friction" and an asymmetric quasi-elastic characteristic

SOURCE: Inzhenernyy zhurnal, v. 4, no. 4, 1964, 759-764

TOPIC TAGS: dry friction, forced vibration, nonlinear vibration.

ABSTRACT: The forced vibrations problem can be reduced in some mechanical systems to an ordinary differential equation with an asymmetric quasi-elastic characteristic. Under certain assumptions, this is particularly true of forced vibrations of thin elastic shells. The article under review discusses the slowly-changing-amplitudes technique for constructing periodical solutions for such equations in the case of dry friction. The stability of the obtained solutions is investigated. A case is studied in which the system has two stable states of equilibrium. Orig. art. has 25 formulas and 3 figures.

ASSOCIATION: none

Card 1/2

L 15325-65
ACCESSION NR: AP4049582

SUBMITTED: 05Aug63

ENCL: 00

SUB CODE: AS, MA

NO REF Sov: 004

OTHER: 000

ATD PRESS: 3138

Card 2/2

BOLOTIN, V.V., doktor tekhn. nauk, prof.; MAKAROV, B.P., kand. tekhn. nauk;
MISHENKOV, G.I., cand. tekhn. nauk; SAKOBICH, L.Y., inst.;
POMAZI, I., apf-ant.

Some problems of dynamic stability of elastic rings subjected
to sudden loading. Izv. vys. ucheb. zav.; mashinostr. i. t.;
7-82 166. (MILIT. DSS)

1. Moscow State University Institute.

L 58802-65 EMT(d)/EMT(e)/EMP(w)/EMA(d)/EMP(v)/EMP(k)/EMA(h) Pf-4/Peb 14/EM
ACCESSION NR: AP5012165 UR/0022/65/018/001/0053/0060 22
21
G

AUTHOR: Mishenkov, G. V.

TITLE: Concerning the interaction between parametrically excited and forced oscillations in elastic panels 26

SOURCE: AN ArmeSSR. Izvestiya. Seriya fiziko-matematicheskikh nauk, v. 18, no. 1, 1965, 53-60

TOPIC TAGS: elastic panel, parametric oscillation, forced oscillation, natural frequency

ABSTRACT: The author considers an elastic isotropic cylindrical panel which is supported on a contour which is rectangular in plan with length unequal to width. The dynamic stability of such a panel is considered and it is shown from an analysis of the equation for the deformation of such a panel that when an account is taken of parametric and forced oscillations, the region of dynamic instability becomes greatly broadened. It is shown further that oscillations can be excited in such a system at frequencies close to the natural fre-

Card 1/2

L 58802-63

ACCESSION NR: AP5012165

quencies for longitudinal vibrations. Original article has: 3 figures and 24 formulas.

ASSOCIATION: Moskovskiy ordena Lenina energeticheskiy institut
(Moscow Power Engineering Institute)

SUBMITTED: 25Jun64

ENCL: 00

SUB CODE: AS

NR REF Sov: 005

OTHER: 00

Card

21280P

MIS'YANNOVA, T. S., Physician

Cand. Med. sci.

Dissertation: "On the Technique of Operations on Solar Plexus and Attached
Nerves in the Case of Hypertonic Disease."

13/2/50

Second Moscow State Medical Inst. imeni

I. V. Stalin

SO Vecheryaya Moskva
Sum 71

M. Sh. et al.

BOROVSKIY, P. V.

PHASE I BOOK EXPLOITATION

SOV/6 206 75

Konferentsiya po teorii plastin i obolochek. Kazan', 1960.

Trudy Konferentsii po teorii plastin i obolochek, 24-29 oktyabrya 1960. (Transactions of the Conference on the Theory of Plates and Shells Held in Kazan', 24 to 29 October 1960). Kazan', [Izd-vo Kazanskogo gosudarstvennogo universiteta] 1961. 426 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Kazanskiy filial. Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina.

Editorial Board: Kh. M. Mushtari, Editor; F. S. Isanbayeva, Secretary; N. A. Alumyaev, V. V. Bolotin, A. S. Vol'mir, N. S. Ganiyev, A. L. Gol'denveyzer, N. A. Kil'chevskiy, M. S. Kornishin, A. I. Lur'ye, G. N. Savin, A. V. Sachenkov, I. V. Svirsckiy, R. G. Surkin, and A. P. Filippov. Ed.: V. I. Aleksagin; Tech. Ed.: Yu. P. Semenov.

PURPOSE: The collection of articles is intended for scientists and engineers who are interested in the analysis of strength and stability of shells.

Card 1/14

Transactions of the Conference (Cont.)

SOV/6206

75

COVERAGE: The book is a collection of articles delivered at the Conference on Plates and Shells held in Kazan' from 24 to 29 October 1960. The articles deal with the mathematical theory of plates and shells and its application to the solution, in both linear and nonlinear formulations, of problems of bending, static and dynamic stability, and vibration of regular and sandwich plates and shells of various shapes under various loadings in the elastic and plastic regions. Analysis is made of the behavior of plates and shells in fluids, and the effect of creep of the material is considered. A number of papers discuss problems associated with the development of effective mathematical methods for solving problems in the theory of shells. Some of the reports propose algorithms for the solution of problems with the aid of electronic computers. A total of one hundred reports and notes were presented and discussed during the conference. The reports are arranged alphabetically (Russian) by the author's name.

Card 2/14

Transactions of the Conference (Cont.)	SOV/6206
Makarov, B. P. On the Nonlinear Flutter of a Plate Clamped by Its Circumference	220
Marevich, L. I. On the Stability of a Cylindrical Shell Under Nonuniform Axial Compression	226
Mitkevich, V. M. Symmetrical Deformation of a Stiffened Conical Shell	233
Mishenykov, G. V. On the Dynamic Stability of a Shallow Cylindrical Shell	239
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Otslashvili, Ye. I. Positive Curvature Membrane Shells Acted on by Discontinuous External Forces	250
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Card 9/14

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

Mr. & Mrs. John G. ...

... about their son and his wife, Mr. & Mrs. ...
John G. ... and Mrs. ...

... about their son and his wife, Mr. & Mrs. ...

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

Y.-KUAN, N.Ye.; AIZENMAN, B.P.; CHUVACHEV, V.V.; GOLIKOV, V.A.;
GRIGOR'EV, A.N.; Bredikhina, E.M.; KARABEY, V.P. *Byull. Akad. Nauk SSSR*, 1963,
1964, 1965, 1966; Tolesova, I.P.; Tikhonova, T.A. *Byull. Akad. Nauk SSSR*, 1963;
Tikhonova, T.A.; Kaluzhna, N.I. *Byull. Akad. Nauk SSSR*, 1964; Tikhonova, T.A.;
Danaba, J.A.; LUKSHEV, I.I.; Lur'e, D.M.;
PLOKHINENKOVA, N.Ye. *reob.zhner'ska*, 1965.

Effect of substances of marine origin

¹ Statistical Abstract of the United States, 1940, p. 102.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

BUDGET C, AS; MEDICAL

Prayer service was held at the church of the Holy Cross in effect at the time of the accident. Subsequent to the medical institution, the deceased was buried in "The Garden" (Sofia). Cemetery fees were paid by the deceased's wife.

LANEV, T.Krumov; MISHEV, D. Nikolov

Graphoanalytic synthesis of open-loop control mechanisms
used as transformers of nonlinear functions. Godishnik
mash.elektr. 13 no.3:47-58 '63 [publ '64].

MISHEV, D.

MISHEV, D. Radio amateur antennas for 144 and 420 megacycles. p. 20. Vol. 5,
no. 10, 1958 ELEKTROENERGIIA. Sofia, Bulgaria

BUCH: Sov'et radio Amatorskis List' (SAL) Vol. 5, No. 10, 1958

MISHEV, . .

MISHEV, D. Ultra short-wave radio for the sound carrier of the television station in Sofia. p. 44. Vol. 5, no. 11, 1956 ELEKTRONIKA. Sofia, Bulgaria

Source: East Eur. Cen. Acq. S. ong Lit. (EEL) Vol. 5, No. 11-12 1956

VULEV, V.; NEDELCHEV, St.; MANDZHAKOV, St.; MISHEV, Dim.

Electrotensiometric device for taking down the index diagrams
of the high-speed internal-combustion engines. Godishnik
mash elekt 9 no.3:95-107 '61. (publ. '62)

"SSET, 1.

"Intelligence Planning for War in East Asia in the Strategic Plan
Committee, Ministry of Defense, (CIA RDP86T0013R001134620013-0),
Seoul, February,

SC: Monthly List of East Asian Economic Activities, (CIA RDP86T0013R001134620013-0),
Seoul, June 1964, (part).

Служба

Приема и выдачи грузов и пассажиров, местного и международного (Мед. служба)

всего в течение года, включая коммюнике

и телеграфные сообщения, о количестве

и видах грузов, пассажиров, а также о количестве и видах пассажирских

и грузовых автомобилей, находящихся в грузо-пассажирской

транспортной системе в течение года, включая количество и вид

автомобилей.

BULGARIA

MISHEV, G., Lieutenant Colonel (Podpolkovnik), Medical Corps (Vojtsinska Sluzba).

"Fractures in the Ierious portion of the radius of the forearm."

Sofia, Voenno Meditsinsko Delo, Vol. 10, No. 1, October 1961, p. 1-11.

Abstract: [Author's Russian summary modified] After a detailed description of various types of such fractures, the author points out the fact that f-ra radii in loc. typice—seen can only be considered a variant of these fractures. A knowledge of the various types is essential for an individualized approach in their treatment. Possible error in diagnosis and treatment are discussed. Such fractures must be treated on an urgent basis. The author concludes on the basis of his experience with 230 cases that aforesaid reposition with relief from pain and a circular plaster cast is a successful and desirable method of treatment.

Two photographs, three Western and three Soviet—see references.

1/1

10

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

MISHEV, Iliia, kand. na fiziko-matem. nauki

Hunters of invisible rays. Nauka i tekhn mladezhi no.10:9-1'
O '57.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

MISHEV, Iliia T., kand. na fiz.-mat. nauk

Radiation of the products of nuclear explosion. - Leningrad
1968. no.5:68-72. G-C 154.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

MISHEV, I.T.; RADICHEVA, M.A.; TROSHOV, T.M.

Study on radioactive contamination about the IRT 1000 nuclear reactor. Atom.energ. 16 no. 4:344-348 Ap '64. (MIRA 17:5)

I. Fizicheskiy institut Bolgarskoy Akademii nauk, Sofiya.

ACC NR: AT6031506

SOURCE CODE: BU/2503/66/014/000/0057/0065

AUTHOR: Mishev, I. T.; Radicheva, M. A.

ORG: none

TITLE: A new study of radioactive contamination in the vicinity of the IRT-1000 nuclear reactor

SOURCE: Bulgarska akademiya na naukite. Fizicheski institut. Izvestiya na Fizicheskiy institut s ANEB, v. 14, 1966, 57-60

TOPIC TAGS: nuclear reactors, nuclear radiation, radioactive source, radioactivity measurement, radioactive contamination, radiation hazard

ABSTRACT: The results of a two-year study of nuclear contamination of soils, plants, aerosols, sewer, and reactor waters in the area of an IRT-1000 nuclear reactor are described. This study, conducted for a 24-month period (1963-1964), is the second part of an experiment; the first part was concerned with measurement of radioactive leakage during the initial operation and use of the reactor. The study consists of periodic measurements of β -activity on samples placed at fixed points around the reactor. The results, tabulated at monthly intervals, show that no contamination was discovered in the area around the IRT-1000 reactor. There was some variation of the measured radioactivity which was attributed either to contamination from a near-by

Card 1/2

ACC NR: AT6031506

radiation laboratory or to fallout from atmospheric nuclear tests. Orig. art. has:
2 figures and 4 tables.

SUB CODE: 18/ SUBM DATE: 05Apr65/ ORIG REF: 003/ OTH REF: 004

Card 2/2

1955, p.

Kozloduy Island is one of the large islands situated in the lower reaches of the Danube river. p. 20.

(GEOGRAFILA Vol. 5, No. 2, 1955, Sofiya)

: Monthly List of East European Geog., Vol. 1, No. 1, Sept. 1955, p. 1.

MICHAIL, I.

MICHAIL, I. Tunes of the Army of the Black Sea. Vol. 1.

Vol. 1, no. 2, 1955

The Black Sea

Sofia, Bulgaria

cc: Eastern European Accession No. L-4417 WEST

... 10, P.

... will have to be done by [redacted] [redacted]
review. . . .

... 10, P. 10/10/

... 10/10/10
Soflyn, pul. 10/10

... 10, P. 10/10/10
Soflyn, pul. 10/10

"APPROVED FOR RELEASE: 06/14/2000

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150000

follows: The amount of time is approximately
one-half hour.

At the end of the period, the subject was asked if he had any further comments. He stated that he did not have any further comments.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

11 MAY 1986

Around Bulgaria. ;.12 M. M. IIA. Bulgarian Foreign
druzhestvo, Sofia. Vol. 6, no. 4, 1986.

S U P C : East European Archives List, Library of
Congress, Vol. 5, no. 12, December 1 '6

卷之三

FIG. 57. - Posterior view of the mandible of a female orangutan.
By permission and authority of the Royal College of Surgeons.

W. H. D., "The," - 17

卷之三

S. 110-518

— 1 —

¹ See also the discussion of the relationship between the two in the section on "Theoretical Models" above.

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SECRET SECURITY INFORMATION
CLASSIFIED BY [REDACTED]

SECRET SECURITY INFORMATION
CLASSIFIED BY [REDACTED]

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

MISHOV, K.

Nature on Zlatitisa Hil.

P. 1, (Geografiia) Vol 7, no. 6, 1957, Sofia, Bulgaria

SC: Monthly Index of East European Acessions (EEAI) Vol. 6, N.11 November 1957

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

MISERY,

"Soviet Union: The most terrible country."

"U.S. Information Agency, Moscow, Russia,
Russia, "Algebra"

Soviet Index of Soviet Authors, Volume 1, 1988
April 1988

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

MISHEV, K.

"The Rock Bridge Near the Village of Liliache, Vratsa Okoliya."

p. 7 (Geografiia, Vol. 8, No. 6, 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11,
Nov. 1958

GYLYBOV, Zh.S. [Gulubov, Zh.]; IVANOV, Il.; PENCHEV, P.; MISHEV, K.;
NEDELCHEVA, A.; DVORYADKIN, A.I., kand.geograf.nauk [translator];
BETEYUM, Yu.A., red.; BELEV, M.A., tekhn.red.

[Physical geography of Bulgaria] Fizicheskaja geografiia
Bolgarii. Moskva, Izd-vo inostr.lit-ry, 1960. 361 p. Translated
from the Bulgarian. (MIRA 14:3)

1. Direktor Instituta geografii Bolgarskoy akademii nauk,
chlen-korrespondent Bolgarskoy akademii nauk (for Gulybov).
(Bulgaria--Physical geography)

GULUBOV, Zh.: MISHEV, K., st. n. sutr.: MPOV, Vl.

Terraces in the basin of the Struma River between Kresnenska Klisura and Rupel Pass. Izv Geog inst BAN 6:23-41 '62.

1. Chl.-kor. na Bulgarskata Akademija na naukite i otg. redaktor, "Izvestiia na Geografiskiia institut" (for Gulubov).
2. Chlen i sekretar na Redaktsionnata kolegia, "Izvestiia na Geografiskiia institut" (for Mishev).

MISHEV, K. st. n. sutr.: POPOV, Vl.: MIKHAILOV, Tsv.

Morphology and neotectonics of the foot of the Balkan Mountains between the mountrain ridges of Gulubets and Koznitsa. Issv Geog inst BAN 6:43-62 '62.

1. Chlen i sekretar na Redaktsionnata kolegiia, "Izvestiia na Geografiskiia institut" (for Mishev).

GULUBOV, Zh.; MISHOV, K., st. n. autr.

Tectonic deformations of the Pliocene surfaces on the northern outskirts of the Thracian alluvial depression, west of the Struma River. Izv Geog inst BAN 7:49-71 '63.

1. Corresponding Member of the Bulgarian Academy of Science,
Responsible Editor and Member of the Board of Editors, "Izvestiya
na Geografiskiia Institut" (for Gulubov). 2. Secretary and Member
of the Board of Editors, "Izvestiya na Geografiskiia Institut"
(for Mishov).

LILYENBERG, D.A., MILEV, K.I.; BOEV, V.I.

New data on the Black Sea terraces along the Strandzha coastal range in Bulgaria. Dokl. AN SSSR 149 : .2:552-555 N '64
(MIRA 18:1)

I. Institut geografii AN SSSR : Geograficheskiy inst tut
Bulgarskoy Akademii nauk. Predstavleno akademikom I.P.Cerasimovym.

POLOV, V. B.; MISHEV, I. V.

Periodic oscillations of a two-frequency self-generator
under heavy conditions of self-excitation. Godishnik zash.
elekt 12 no. 1:53-58 '62 [publ. '63].

Bulgaria/Medicine - Novocain Block

Jul 52

"Narcosis in the Light of Pavlov's Theory of Nervism," Drs P. Mishev, N. Nikolov, Surgical Clinic, Med Acad "I. P. Pavlov", Plovdiv

"Khirurgiya" Vol 5, No 5, pp 298-302

24OT20

This article represents an account of work done by Soviet scientists, I. P. Pavlov, A. D. Speranskiy, A. V. Vvedenskiy, A. A. Vishnevskiy and others, and deals with the effects of narcotics, specifically of novocain applied in the novocain blockade, on the nervous system of man. After describing the

24OT20

parabolic effects of narcotics, the authors pay tribute to the valuable contributions of Vvedenskiy to surgery, and assert that his teachings and method of novocain blockade developed by him made possible the performance of major operations in small provincial hospitals.

24OT20

MISHEV, P.; DIMITROV, D.; KOLIKOVSKI, H.

Treatment of pain syndrome in wounds of the peripheral nerves.
Khirurgia, Sofia 8 no. 9:793-798 1955.

1. Vissash meditsinski institut I.P.Pavlov, Plovdiv fakultetska
khirurgichna klinika. Direktor: prof. D. Ploskov, Vissash meditsinskii
institut V.Chervenkov, Sofiia katedra po operativna khirurgia +
topografika anatomii. Vr.zav.katedrato: prof. G.Kapitanov.
(WOUNDS AND INJURIES,

nerves, peripheral, ther. of pain synd.(Bul))
(NERVES, PERIPHERAL, wounds and injuries,
ther. of pain in (Bul))

DOBREV, Ia.; MISHEV, P.; DISHLIEV, B.; GRIGOROV, Br.

Trauma in miners in the Gorubno basin. Khirurgija, Sofia
9 no. 3:207-219 1956.

1. Vissh meditsinski institut I. P. Pavlov, Plovdiv
katedra po fakultetska khirurgija & urologija. Zav.
katedrata: prof. D. Ploskov.

(MINING,

inf. in miners (Bul))

(WOUNDS AND INJURIES,

occup. in miners (Bul))

(OCCUPATIONAL DISEASES,

traum. in miners (Bul))

MISHEV, P.

Case of pulmonary echinococcosis. Khirurgija, Sofia 9 no.4:
166-367 1956.

(LUNG DISEASES, case reports,
echinococcosis (Bul))
(ECHINOCOCCOSIS, case reports,
lungs (Bul))

MISHEV, P.

The problem of parapleuritis. Suvrem. med., Sofia 8 no. 9:62-66 1957.

1. Is klinikata po fakultetska khirurgiia pri VMI'L P Pavlov* Plovdiv.

Zav, katedrata: prof. D. Ploskov.

(THORAX, dis.
parapleuritis)

MISHEV, P.; GINEV, B.; MURDZHEV, A.

Surgical therapy of cold abscesses in tuberculous spondylitis.

Khirurgija, Sofia 12 no.2:138-141 1959.

(TUBERCULOSIS, SPINAL, surgery.
cold abscess (Bul))

DOBREV, Ia. ; MISHEV, P.; SHOPOV, N.; KHRISTOV, P.

On the treatment of cholecystitis according to clinical material
from the period of 1954-1959. Khirurgiia, Sofia 13 no.2-3:208-211 '60.

1. Iz Katedrata po fakultetska khirurgiia pri VMI "I. P. Pavlov"
- Plovdiv.
(CHOLECYSTITIS surg.)

MISHEV, P.; SHOPOV, N.; KHRISTOV, P.

Changes in the protein picture in acute inflammatory conditions
of the gallbladder and bile ducts. Khirurgiiia, Sofia 13 no.2-3:
212-213 '60.

1. Iz Katedrata po fakultetska khirurgiiia pri VMI "I.P.Pavlov"
- Plovdiv.
(CHOLECYSTITIS blood)
(BLOOD PROTEINS)

GINEV, B.; MISHEV, P.

On tuberculous disorders of the urogenital system. Khirurgia
15 no.11:1022-1024 '62.

1. Iz Katedrata po fakultetka khirurgia s urologia pri
VMI [Viess meditsinski institut] "I.P. Pavlov - Plovdiv.
(TUBERCULOSIS UROGENITAL)

MISHEV, P.

Apropos of the treatment of thrombo-phlebitis. Khimaria
(Sofia) 16 : 82 - 32 '73.

I. Viash meditsinski institut "I.P.Pavlov", Plovdiv, Bulgaria
po fakultetska chirurgii s urologiia. Rez. voditel na katedrata:
kata. IA. Dobrev.

*

MISHEV, P.; MURDZHEV, A.

"Hydrocortisone therapy of cystitis. Polimed. (Plovdiv)
no. 4:261-264 '64

1. Vysshiy meditsinskij institut imeni I.P. Pavlova, g. Plovdiv,
Bulgarija; kafedra fakul'tetskoy kirurgii i urologii (Rukov.
voditel': prof. Ya. Dobrev).

MISHEV, P., and S., DEENICHIN, P.; SHOPOV, N.

A case of difficult identification of the authorship
pertaining to the letter sent to the newspaper "Komsomolskaya
Pravda" (of Tbilisi) on 10 January 1986.

...iz Katem: "Iz Katem" - 1986, No. 1
Institut "Izdatgiz"

CONEVA-MANEVA, M.; MISHKOV, F.; CHIKOVENKO, E.; ZANZOV, I.

Stimulation of the granulation process under the influence of
the preparation phaeodineksin (clinical observations). Polia
med. (Plovdiv) 'no.1819-47 '65

I. Higher Medical Institute in Sofia, Bulgaria, Chair of
General Biology (Chief assistant Dr. M. Coneva-Maneva);
Chair of Clinical Surgery (Chief assistant Prof. F. Mishkov)
and Higher Medical Institute "S. S. Rilov" in Plovdiv, Bulgaria,
Chair of Faculty Surgery and Urology (Chief Prof. J. Dobrev).

DOBREV, Ya., MISHEV, I., MICHAEV, A., RAYCHEV, Zh., TIKOV, V.

Surgical treatment of carcinomas of the lungs. Knimringiia
B# no.12:23-28 1 '64.

1. Iz naufdry fax. i tserkvi okrugli (zav.- direktor.
Ya. Dobrev) Vysshego meditsinskogo instituta imeni I.I.
Pavlova v g. Plovdiv; knimringiitsekskoje otdeleniya (zav.
dr. Zh. Raychev) okrugluyy poliklinicheskiy v. Burgas.

MISHEV, St., Inzh.; GRISHINA, K., Inzh.

The indispensability for the "Sofia" Thermal-electric Plant to change to mazut. Elektrenergija is no. 112-15 Je 1944.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

MEMORANDUM

TO: [REDACTED] (REVIEW AND APPROVAL OF INFORMATION CONTAINED
HEREIN IS THE RESPONSIBILITY OF THE [REDACTED] DIVISION
SIXTY EIGHTH BANK OF THE UNITED STATES)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

BULGARIA

MISHEVA, Dr. L.; IRMP "Firogov" (Chief Physician Dr. P. Kondova,

"Changes in Protein Metabolism in Patients with Burns"

Sofia, Voenno Meditsinsko Delo, Vol 71, No 6, Dec 66, pp 19-24

Abstract: Changes in protein metabolism in patients with burns were investigated in the stages of shock, toxemia, recovery, and wound cachexia. The reanimation treatment applied, which involved transfusions of blood and plasma, kept the total protein content in the serum at a normal level, except in cases of burn covering more than 50% of the body surface, in which hypoproteinemia was observed in the stage of wound cachexia. The changes consisted principally of hypoalbuminemia, hyperglobulinemia, and an albumin-globulin ratio that dropped considerably below unity. The fibrinogen content was raised in all stages: the fibrinogen level indicated the degree of tissue deterioration and the extent to which fibrinogen was synthesized by the liver. Incorrect reanimation with the administration of insufficient amounts of blood and plasma in the early stages after occurrence of burns was followed by acute disturbances of protein metabolism which

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CIA-RDP86-00513R001134620013-0

RECORDED ON 16 SEP 1968 BY THE
SOUTHERN CALIFORNIA POLICE DEPARTMENT
IN LOS ANGELES, CALIFORNIA.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

1125 hrs, 1.

...and we are awaiting the value of product. 1.

Pl. 10, sec. 12, Dec. 1951
150 letters, 100
Suffolk, 100 areas

CC: EASTMAN KODAK COMPANY, ROCHESTER, NEW YORK

OLCHOV, G; KADAR TULCOV, L; MISHNEVA, N.

Bulgaria

3

Bulgaria

Sofia, Penitentiary, No 4, 1962, pp 59-62

"Lymphogranulomatosis Maligna or the Spinal Canal.
Case Report."

2227-66 FWT(d)/T LIT(1)
ACC NR: AP5012537

30 APR 1984 CR/DOH/66/23/JD/1/124/107

AUTHOR: Mishiku, M. (Bucharest); *Mishiku, M.*

ORG: none

TITLE: Solution of the statical plane problem of the theory of elasticity for heterogeneous isotropic bodies with variable properties

SOURCE: Prikladnaya matematika i mehanika, 1977, v. 51, no. 1, p. 7-17

TOPIC TAGS: elasticity theory, methods of mechanics, theory of heat

ABSTRACT: A method is presented for solving the statical plane problem of the theory of elasticity for heterogeneous bodies, by using the approach of conformal transformations of the type proposed by G. I. Kekulë. In the article "Nekotorye zadachi matematicheskoy teorii uprugosti," Izdatelstvo Akademii Nauk SSSR, Moscow, 1977, the author has obtained a solution of quasi-static problems on conformal transformations. After transforming the equations of quasi-static equilibrium, geometric relationships, and variational equations in the form

$$\sigma_{ij,i} + \chi_i = 0, \quad \epsilon_{ij} = \frac{1}{2}(u_{ij,i} + u_{ji,i}), \quad \epsilon_{ij} = \frac{1}{2}\epsilon_{ij,ij}, \quad \epsilon_{ij} = \frac{1}{2}(\epsilon_{ii,ij} - \epsilon_{jj,ij})$$

$$\epsilon_{ij} = \epsilon_{ij,ij}, \quad \epsilon_{ij} = \epsilon_{ij,ij},$$

the two basic boundary problems are formulated in the form

$$\frac{\partial \sigma_{ij}}{\partial x^2} + 2A_1 \frac{\partial \sigma_{ij}}{\partial x^1} + 2A_2 \frac{\partial \sigma_{ij}}{\partial x^2} + A_3 \frac{\partial \sigma_{ij}}{\partial x^3} = 2f(i, j)$$

Card 1/2

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ACC NR: AP6012557

and

$$\frac{\partial}{\partial s} \left[\frac{\mu}{s-1} \left(\frac{\partial U}{\partial t} + \frac{\partial U}{\partial s} \right) \right] + \frac{\partial}{\partial t} \left[\mu \frac{\partial U}{\partial t} \right] = P(t, s) \quad P(t, s) = \frac{1}{2} \frac{\partial}{\partial s} (kT) - \frac{1}{4} (x + Y)$$

with boundary conditions

$$G(s) = i \int_0^s (v_{nx} + iv_{ny}) ds + \int_0^s M(i) \tilde{U}(i) ds + c \equiv H(s) \quad (c = \text{const})$$

and $U(s) = u(s) + iv(s)$, respectively. Conformal transformation and the method of successive approximations in solving these equations are discussed. The procedure is demonstrated for a circular body uniformly loaded in the radial direction. Orig. art. has: 2 figures, 59 formulas, and 1 table.

SUB CODE: 20, 12 / SUBM DATE: 12 Nov 5 / ORIG REF: 003 / Sov REF: 004 / CTR REF: 005

Card 2/2

MISHIN, A., inzh.

Stabilizing action of diodes in charging and discharging
networks. Radio no.10:43-44 C '63. (MIRA 16:11

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

MISHIN, A.

Air preserves potatoes. Izobr. i rata. no.11:11-12 '63.
(MIRA 16:12)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0

MISHIN, A.

Plastic covered house, Izobtr. 1 mts. no. 17:7 163.
(MIA 17:2)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620013-0"

MICHIN, H.-J.

Investigating the chemical plant utilizing vapors and
gases from the Shwarts wood-carbonization kilns by the
Bavitschik method. A. D. Michin. *Lokhov. Prom.*
3, No. 9-10, 5-10 (1934).—A no. of wood-carbonization
kilns were interconnected by means of wooden ducts which
in their turn connected the kilns with a gas-absorption
tower equipped with towers flushed with $\text{Ca}(\text{OH})_2$, for the
recovery of AcOH . The product contained after drying
18.8% H_2O , 71.1% acetate, 0.69% resins and 3.5%
 HCOOH (determined by the Pinker method). A. A. B.

MIDHIN, H-J

CA

72
SOLVENTS AND COKING
Content of nonvolatile carbon in charcoal in relation
to the conditions of carbonization and coking. V. N.
Kotov and A. D. Mikhlin. *Trudy Tsvetnoy Nefti*.
Izdatelstvo. Leningrad. Inst. Neftekhim S. S. R.,
Destructive Distn. of Wood 8, 42-77(1934).—Pine, birch
and spruce charcoals, obtained at different temps. of
carbonization of wood, were tested in powder and temp
form for the content of nonvolatile C by coking at 250°
to a max. of 900° for 5 min. by the Muck method and for
2.5 hrs. in an elec. furnace. To approximate the condi
tions of a blast furnace, the coking for 2.5 hrs. was carried
out in a N atm. for the 1st hr and completed with a pro
tective layer of charcoal. The yield of nonvolatile C
depends on the method of coking and the degree of charcoal

dispersion. By rapid coking the yield of nonvolatile C
decreases with the greater mech. disintegration of the
same charcoal, and is at a min. with charcoal obtained
by carbonization at 350-400°. By slow coking the yields
of nonvolatile C vary but little with the differently com
minuted charcoal. The greatest difference in the yield of
nonvolatile C obtained by the rapid and slow coking is
observed with charcoals obtained by carbonization of wood
at low temps. (up to 400°) Chas. Blanc

ALSO SEE: METALLURGICAL LITERATURE CLASSIFICATION

KOZLOV, V.N.; MISHIN, A.D.

Production of dry lubricants from carbonaceous fines. Shor.
rab. Lab. lesokhim. no.2:122-105 '58. (MIRA L2:2)
(Wood distillation) (Lubrication and lubricants)

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87-92 '61.
(MIRA 16:2)
(Furaldehyde) (Wood--Chemistry) (Acids, Organic)

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AUTHOR: Mishin, A. I.

TITLE: Calculation and use of diode-transistor threshold elements in digital systems

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REF SOURCE: Sb. Poluprovodnik. elementy v vychisl. tekhn. M., 1965, 77-94

TOPIC TAGS: trigger circuit, transistor, digital system, diode, threshold element

ABSTRACT: An element consisting of a diode threshold circuit and a transistor was investigated and its static and dynamic characteristics analyzed. It was shown that a satisfactory agreement between experimental and computational data may be observed only in the case of alloyed transistors. Methods for calculating such parameters of the element as the time of connection and the time of resorption are suggested. A trigger circuit using two threshold elements was described and the time of trigger switching under separate and counting triggering, conditions

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